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РИЗИК В ІНФОРМАЦІЙНИХ ТЕХНОЛОГІЯХ

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INFORMATION TECHNOLOGY RISK

Keywords: information technologies (IT), IT risk, information technology asset.

The world we live in now has become a global technological risk which has affected the society in general because of how the technological landscape is evolving. Information technology risk, or IT risk, is any risk related to information technology. This relatively new term due to an increasing awareness that information security is simply one facet of a multitude of risks that are relevant to IT and the real-world processes it supports. Generally speaking, risk is the product of the likelihood of an event occurring and the impact that event would have on an information technology asset, i.e. Risk = Likelihood * Impact. The information age business organization is a complex and dynamic collection of interrelated and interconnected processes, in which its operational success is achieved by getting all of these parts working together. Information Technology (IT) over the years has become the tool that enhances interconnection of business processes in organizations; providing benefits such as connectivity via network-centric systems, new business models for efficiency like 24-hour call centers via VoIP, real time inventory, intranets, extranets, internet, e-commerce and a multitude of other productivity and cost cutting mechanisms. The technological risks of cyber attacks, massive incidents of data fraud or theft, and massive digital misinformation is something we should not take for granted. One additional aspect of global governance failure under geopolitical risks also matters here indirectly. IT risks include hardware and software failure, human error, spam, viruses and malicious attacks, as well as natural disasters such as fires, cyclones or floods

For more clarification, Technology could be tackled differently. Technology permeates the operations of an entire institution and therefore technology risk cannot be compartmentalized as a process that focuses on a particular area. Technology enables key processes that a company uses to develop, deliver, and manage its products, services, and support operations. Understanding the role that technology plays in enabling core business operations establishes the framework for understanding where relevant technology risks lie.

Identifying vulnerabilities and threats provides entities with a view of the risks faced given the enabling role of information technology. Once these risks have been identified, an appropriate technology risk management strategy can be developed and implemented. Also, by understanding the risks attached to technology, industry has been able to raise awareness of some of the downside risks associated with certain technologies stimulating improvements in safety for users.